664

ORDER NO. RD8010-1817C

Service Manual

Radio Cassette

RX-2700

FM-AM Radio Stereo Cassette Recorder

■ SPECIFICATIONS

Power Requirement:	Battery; 6V (Four UM-3, AA size dry batteries)
Power Output:	Built-in SP; 550 mW (DC max) Headphones; 30 mW × 2
Frequency Range:	Built-in SP; 150~8500 Hz Headphones; 40~13000 Hz
Recording System:	AC bias, MAGNET erase
Tape Speed:	4.8 cm/s, ($1\frac{7}{8}$ ips)
Wow and Flutter:	0.4% (WRMS)
Program Time:	1 hour with C-60 cassette tape
Track System:	4-track 2-channel stereo recording and playback
Input:	MIC; sensitivity 0.25 mV/applicable microphone impedance 200~600Ω. DC IN; 6 V
Output:	Headphones; 32Ω
Speaker:	Built-in SP; 2" (5 cm) PM Dynamic speaker (4Ω) Headphones; 1" (2.2 cm) × 2 (32Ω)
Radio Frequency Range:	FM; 87.5~108 MHz AM; 520~1610 kHz (577~186m)
Intermediate Frequency:	FM; 10.7 MHz AM; 455 kHz
Sensitivity:	FM; 2μV/50 mW output AM; 150μV/m/50 mW output
Dimensions:	190(W) × 96(H) × 36(D) mm ($7\frac{1}{2}$" × $3\frac{13}{16}$" × $1\frac{7}{16}$")
Weight:	Set; 620 g (1 lb 6 oz.) without batteries Headphones; 54 g (2 oz)

Specifications are subject to change without notice.

Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka, Japan

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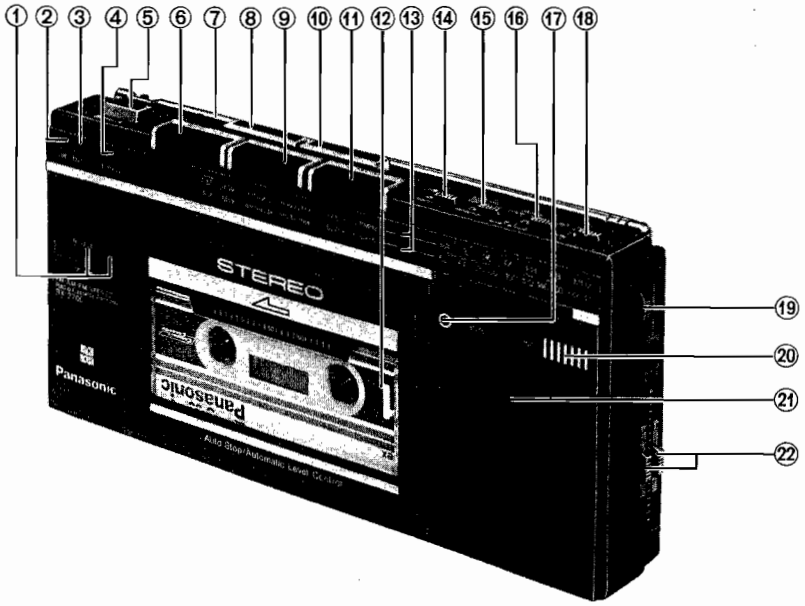
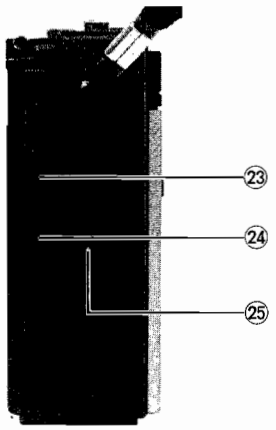
LOCATION OF CONTROLS AND COMPONENTS





① Tape Counter and reset button
② Rec indicator
③ Battery or Power ON indicator
④ Tuning indicator
⑤ Pause button
⑥ Stop/eject button
⑦ Telescopic antenna
⑧ Fast forward/cue button
⑨ Playback button
⑩ Rewind/review button
⑪ Record button
⑫ Cassette Cover
⑬ Band indicator
⑭ Band selector
⑮ Tape/radio selector
⑯ Mode/beat proof selector
⑰ FM stereo indicator
⑱ Tone selector
⑲ Tuning control
⑳ Built-in Microphone
㉑ Speaker
㉒ Volume control (L, R)
㉓ Microphone Jack
㉔ Headphone Jack
㉕ EXT Power Jack
㉖ Headphones

DISASSEMBLY INSTRUCTIONS

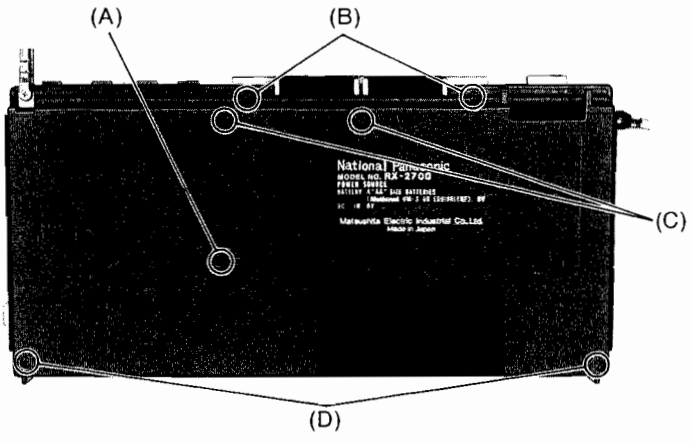


Fig. 1

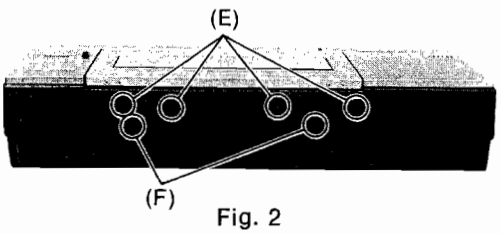


Fig. 2

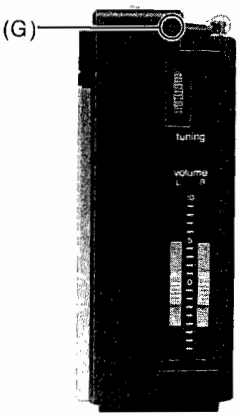


Fig. 3

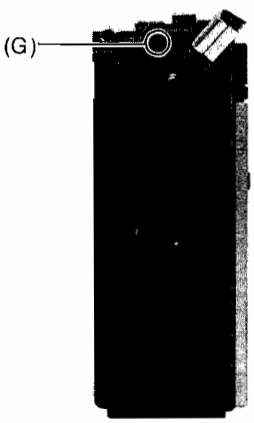


Fig. 4

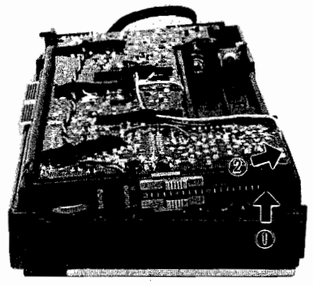


Fig. 5

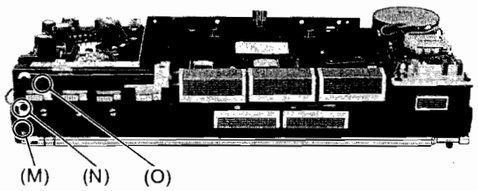


Fig. 7

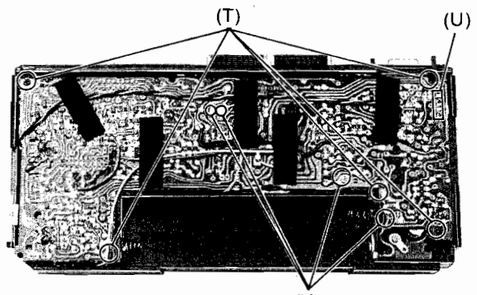


Fig. 9

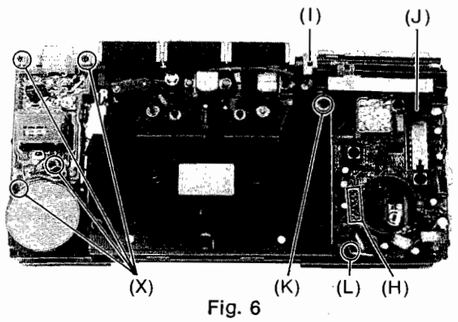


Fig. 6

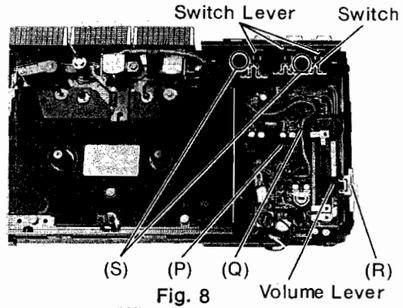


Fig. 8

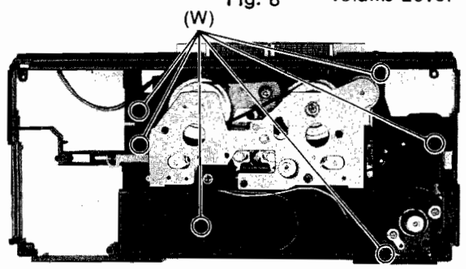


Fig. 10

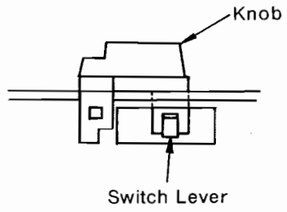


Fig. 11

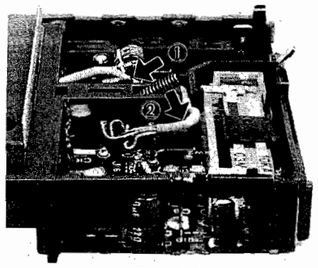


Fig. 12

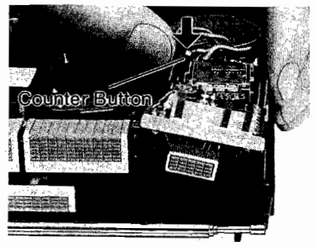


Fig. 13

Procedure	To remove—.	Remove—.	Shown in Fig.—.
1	Rear Cabinet	Screw (2×8) .....(A)×1	1
2		Screw (2×5) .....(B)×2	1
3		Screw (2×6) .....(C)×2	1
4		Screw (2×22) .....(D)×2	1
5		Screw (2×5).....(E)×4	2
6		Screw (2×6) .....(F)×2	2
7		Screw (2×6).....(G)×2	3, 4
8	Chassis	Remove the chassis, in the direction of arrow ① & ②.	5
9		Unsolder the Parallel Jumper .....(H)×6	6

Procedure	To remove—.	Remove—.	Shown in Fig.—.
10	Radio Circuit Board	Knob ※1 .....(I)×1	6
11		Microphone .....(J)×1	6
12		Screw (2×5) .....(K)×1	6
13		Screw (2×4) .....(L)×1	6
14		Screw (2×5) .....(M)×1	7
15		Screw (2×4) .....(N)×1	7
16		Screw (2×6) .....(O)×1	7
17	Audio Circuit Board	Spring ※2 .....(P)×1	8
18		Remove the Head read from rib. .....(Q)×1	8
19		Knob ※3 .....(R)×2	8
20		Screw (2×6) ※4 .....(S)×2	8
21		Screw (2×4) .....(T)×5	9
22		Unsolder the Parallel Jumper .....(U)×8	9
23		Unsolder read wire ※5 .....(V)×4	9
24	Mechanism	Screw (2×5) .....(W)×6	10
25	Govanor Circuit Board ※6	Screw (2×6) .....(X)×4	6

Note:

※ 1. Insert the catch of knob in the switch lever, as shown in Fig. 11.
※ 2. Insert the spring in the direction of arrow ① & ②, as shown in Fig. 12.
※ 3. Insert the knob in the each volume lever, as shown in Fig. 8.
※ 4. Insert the switch lever in the each switch, as shown in Fig. 8.
※ 5. Refer to circuit board wiring view for solder point.
※ 6. Insert the circuit board pushing the counter button, as shown in Fig. 13.

DIAL THREADING

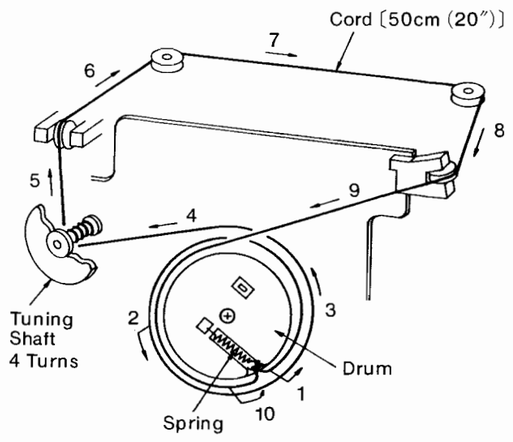


Fig. 14

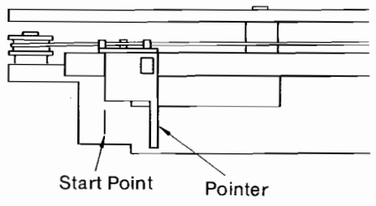


Fig. 15

ALIGNMENT

■ TAPE SPEED ADJUSTMENT

1. Set volume control to maximum.
2. Set tone switch to high.
3. Set tape/radio selector to tape.
4. Set power source voltage to 6 V DC.

COUNTER	ADJUSTMENT
Connect to Earphone Jack	1. Playback test tape (QZZCWAT, 3 kHz). 2. Adjust VR_5 until 3030 Hz ±15 Hz is read on the counter.

■ RADIO ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

1. Set volume control to maximum.
2. Set tone switch to High.
3. Set tape/radio selector to radio.
4. Set band switch to AM, or FM.
5. Set power source voltage to 6 V DC.
6. Output of signal generator should be no higher than necessary to obtain an output reading.

■ AM ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
		AM-IF ALIGNMENT					
(1)	AM	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. at 400 Hz	Point of non-interference.	Output meter across voice coil.	T_2 (AM 1st IFT)	Adjust for maximum output.
		AM-RF ALIGNMENT					
(2)	AM	〃	512 kHz	Tuning capacitor fully closed.	〃	L_7 (OSC Coil)	〃
(3)	AM	〃	550 kHz	Tune to signal.	〃	(＊1) L_6 (ANT Coil)	Adjust for maximum output. Adjust L_6 by moving coil bobbin along ferrite core.
(4)	AM	〃	1500 kHz	Tune to signal.	〃	CT_3 (ANT Trimmer)	Adjust for maximum output.
(5)	AM	〃	1650 kHz	Tuning capacitor fully open	〃	CT_4 (OSC Trimmer)	Adjust for maximum output. Repeat steps (2)～(5).

(＊1) Cement antenna bobbin in place with wax after completing alignment.

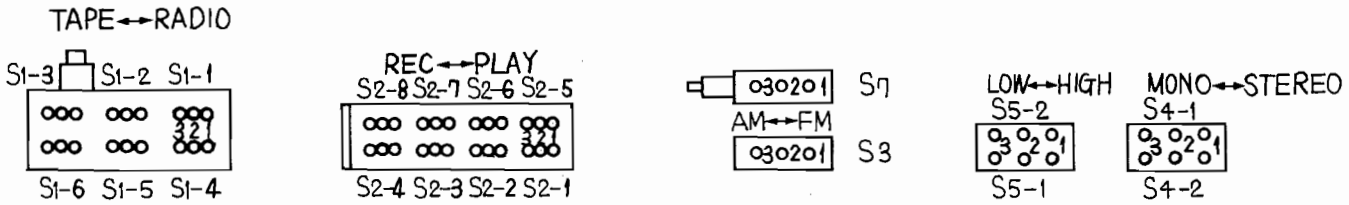
■ FM ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
		FM-IF ALIGNMENT					
(1)	FM	Connect to test point ▼1, Negative side to test point ▼2.	10.7 MHz	Point of non-interference.	Connect vert. amp. of scope to test point ▼4. Negative side to test point ▼5.	T_1 (FM IFT) T_3 (FM IFT) (primary)	Adjust for maximum amplitude. (Refer to Fig. 19)
		FM-RF ALIGNMENT					
(2)	FM	Connect to test point ▼1 through FM dummy antenna. Negative side to test point ▼2. (Refer to Fig. 20.)	90 MHz	90 MHz [4.7 mm ($\frac{3}{16}$")]	〃	L_5 (FM OSC Coil) L_4 (FM TUNE Coil)	(＊2) Adjust for maximum output.
(3)	FM	〃	106 MHz	106 MHz [31.6mm ($1\frac{1}{4}$")]	〃	CT_2 (FM OSC Trimmer) CT_1 (FM TUNE Trimmer)	(＊2) Adjust for maximum output. Repeat steps (2) and (3).

(＊2) Three output responses will be present; proper tuning is the center frequency.

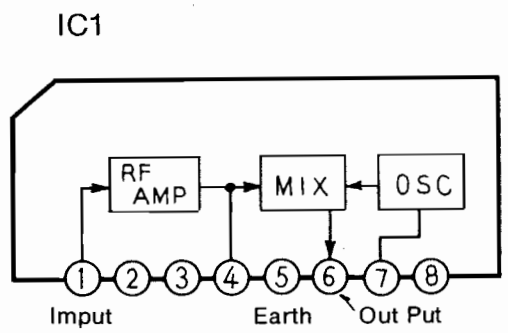
Notes:

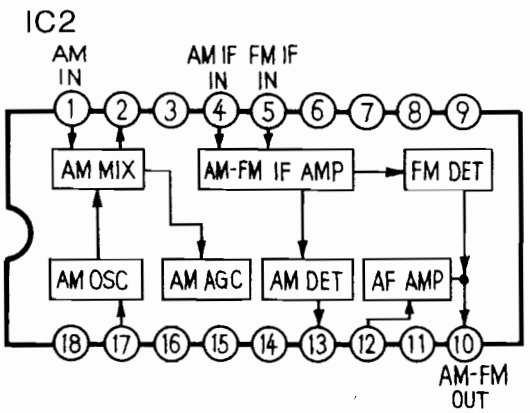
1. S_{1-1}～S_{1-6}: Tape/radio selector switch in "Radio" position.
   (1...Tape, 3...Radio)
2. S_{2-1}～S_{2-8}: Record/playback switch in "Playback" position.
3. S_3: Band selector switch in "FM" position.
   (1...FM, 3...AM)
4. S_{4-1}, S_{4-2}: Mode switch in "Stereo" position.
   (1...Stereo, 3...Mono)
5. S_{5-1}, S_{5-2}: Tone switch in "High" position.
   (1...High, 3...Low)
6. S_6: Motor ON/OFF switch in "OFF" position.
7. S_7: Pause ON/OFF switch in "OFF" position.
8. VR_1: VCO oscillator frequency adjust.
9. VR_2: Bias current adjustment VR.
10. $VR_{3,4}$: Volume control.
11. VR_5: Speed control.
12. The mark (▼) shows test point e.g.,▼=Test point 1.
13. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
    □...FM position, ( )...AM position,
    〈 〉...Record position,
    $Q_{15, 16}$...Pause ON/OFF switch in "ON" position.
    Q_{29}...Mode switch in "Stereo" position.
14. Battery current: No signal 60mA
    Maximum (Radio)..... 250mA
    Maximum (Tape) 300mA

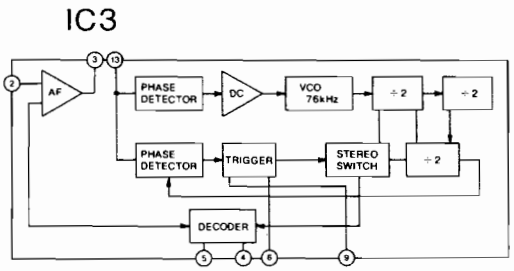


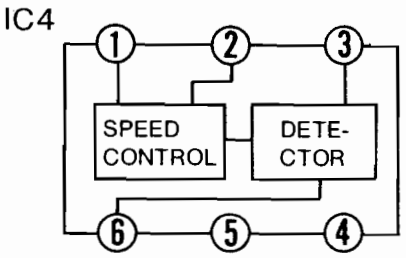
BOTTOM VIEW

IC BLOCK DIAGRAM









SCHEMATIC DIAGRAM Model RX-2700

IC1

IC2

IC3

IC4

C(G)
B(S)
E(D)
Q1~7,9~22
24,27,28

E C B
Q8,25,26,29

B E C
Q23

Anode Cathode
D1,4~7

Anode Cathode
D3

Cathode
Anode
D2,11

Anode Cathode
D8,9,10

D1 RVDKB167 AFC

IC1 AN7216 FM RF CONVERTOR

D2 MA150 AGC

Q2 2SK160 AM RF

Q1 2SC1009 FM IF AMP

IC2 AN7220A FM/AM IF AMP & DET

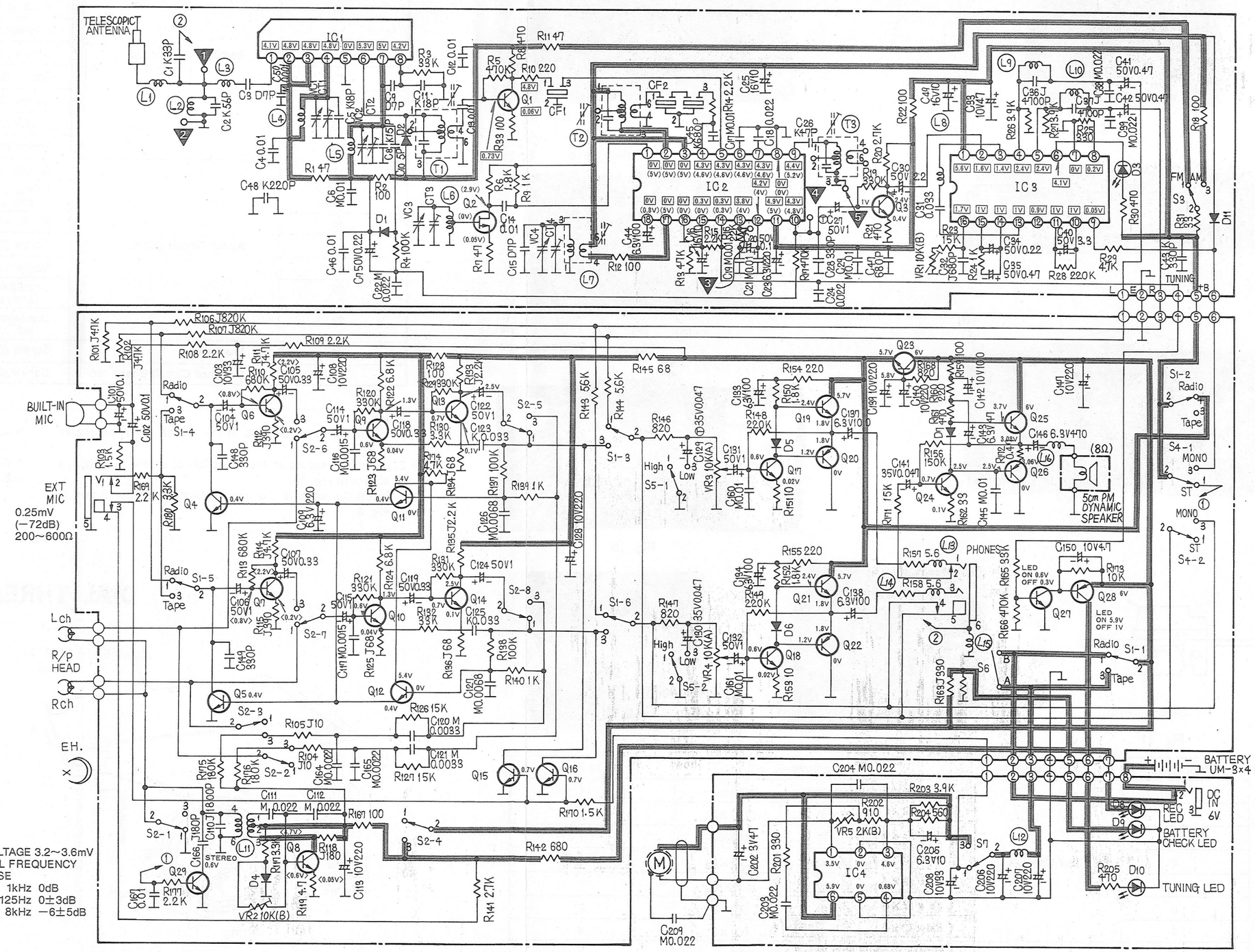
Q3 2SC1623 AF AMP

Q23 2SD352 REGULATOR

IC3 RVIBA1335 PLL MPX

D3 LN230RPP STEREO IND.

D11 MA150 SWITCHING



Q4,5 2SC2405 AGC

Q29 2SC945 SWITCHING

Q4,5 2SC2405 AGC

D4 RVDKB262D AOC

Q8 2SC2001 BIAS OSC

Q6,7 2SC2405 REC AMP

Q9,10 2SC2405 PLAYBACK/ REC AMP

Q11,12,13,14 2SC1623 PLAYBACK/ REC AMP

Q15,16 2SC1623 MUTING

D5,6 RVDKB265G AOC

Q17,18,19,21 2SC1623 AF AMP

Q20,22 2SA812 AF AMP

IC4 AN6614 MOTOR CONTROL

Q24 2SC1623 DRIVER

D7 RVDKB265E AOC

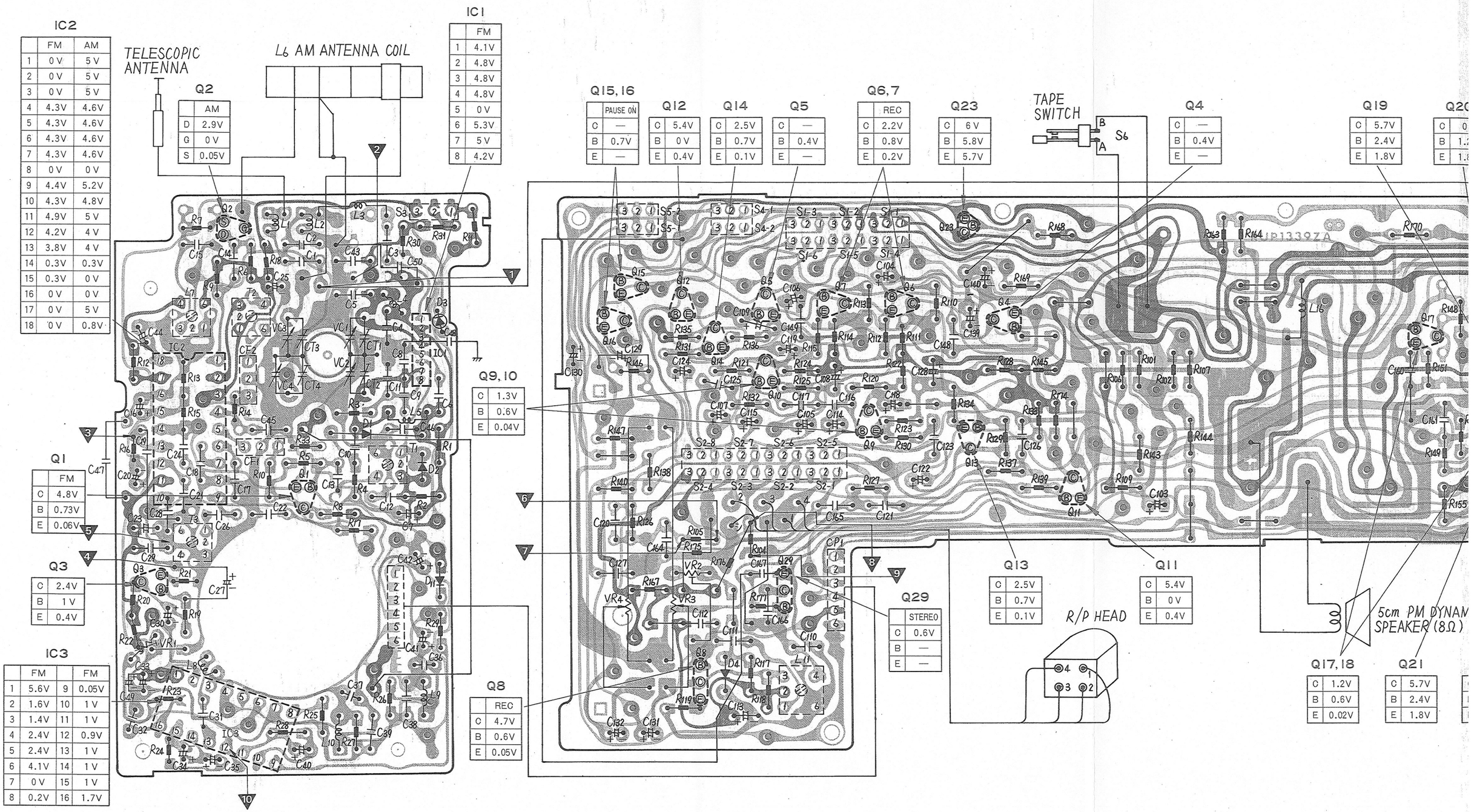
Q25 2SC2001 POWER AMP

Q26 2SA952 POWER AMP

Q27 2SC1623 LED DRIVE

Q8 2SA812 LED DRIVE

CIRCUIT BOARD WIRING VIEW Model-RX-2700



IC2

	FM	AM
1	0 V	5 V
2	0 V	5 V
3	0 V	5 V
4	4.3V	4.6V
5	4.3V	4.6V
6	4.3V	4.6V
7	4.3V	4.6V
8	0 V	0 V
9	4.4V	5.2V
10	4.3V	4.8V
11	4.9V	5 V
12	4.2V	4 V
13	3.8V	4 V
14	0.3V	0.3V
15	0.3V	0 V
16	0 V	0 V
17	0 V	5 V
18	0 V	0.8V

Q2

	AM
D	2.9V
G	0 V
S	0.05V

IC1

	FM
1	4.1V
2	4.8V
3	4.8V
4	4.8V
5	0 V
6	5.3V
7	5 V
8	4.2V

Q15, 16

	PAUSE ON
C	—
B	0.7V
E	—

Q12

C	5.4V
B	0 V
E	0.4V

Q14

C	2.5V
B	0.7V
E	0.1V

Q5

C	—
B	0.4V
E	—

Q6, 7

	REC
C	2.2V
B	0.8V
E	0.2V

Q23

C	6 V
B	5.8V
E	5.7V

Q4

C	—
B	0.4V
E	—

Q19

C	5.7V
B	2.4V
E	1.8V

Q20

C	0
B	1.2
E	1.8

Q9, 10

C	1.3V
B	0.6V
E	0.04V

Q1

	FM
C	4.8V
B	0.73V
E	0.06V

Q3

C	2.4V
B	1 V
E	0.4V

IC3

	FM		FM
1	5.6V	9	0.05V
2	1.6V	10	1 V
3	1.4V	11	1 V
4	2.4V	12	0.9V
5	2.4V	13	1 V
6	4.1V	14	1 V
7	0 V	15	1 V
8	0.2V	16	1.7V

Q8

	REC
C	4.7V
B	0.6V
E	0.05V

Q29

	STEREO
C	0.6V
B	—
E	—

Q13

C	2.5V
B	0.7V
E	0.1V

Q11

C	5.4V
B	0 V
E	0.4V

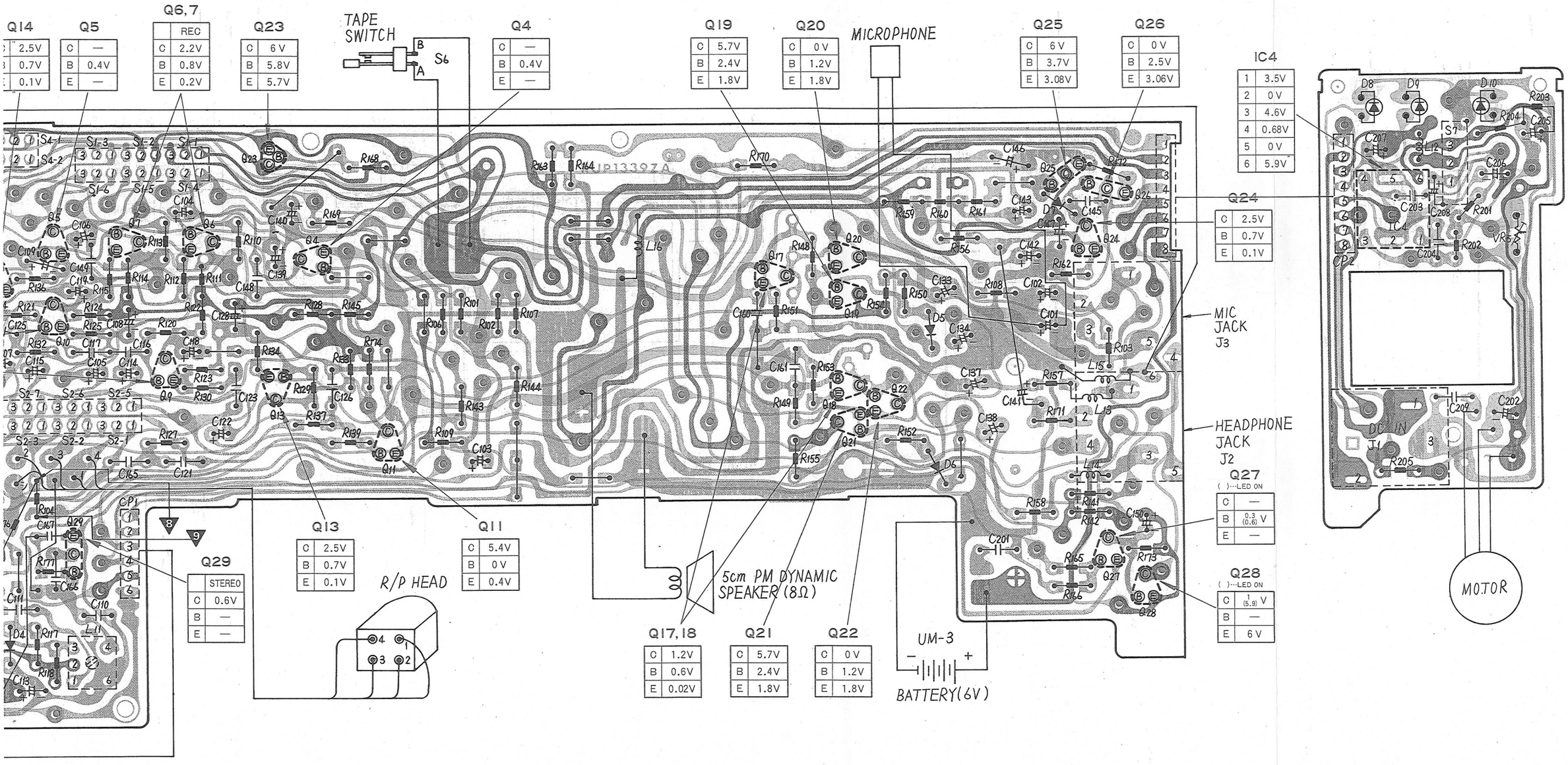
Q17, 18

C	1.2V
B	0.6V
E	0.02V

Q21

C	5.7V
B	2.4V
E	1.8V

CIRCUIT BOARD WIRING VIEW Model-RX-2700



■ SEPARATION ALIGNMENT

ITEM	SIGNAL 90 MHz, 60 dB SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	——	⑩...(+) side ⑤...(−) side	VR_1	19 kHz	Adjust VR_1 for 19 kHz (±150 Hz) reading on electronics counter.

■ AUDIO ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Azimuth	QZZCFM (8 kHz, −20 dB)	EXT SP	Maximum output	Azimuth screw	Playback mode
Bias oscillation frequency	——	⑧...(+) ⑦...(−)	52 +0.6 kHz −0	L_{11}	Record mode Function switch→radio Mode switch stereo→mono
Bias current	Use metal tape	⑨(R) (+) ④(L) (+) ⑧(R) (−) ⑥(L) (−)	3.2~3.6 mV (L & R)	VR_2	——

■ ALIGNMENT POINT

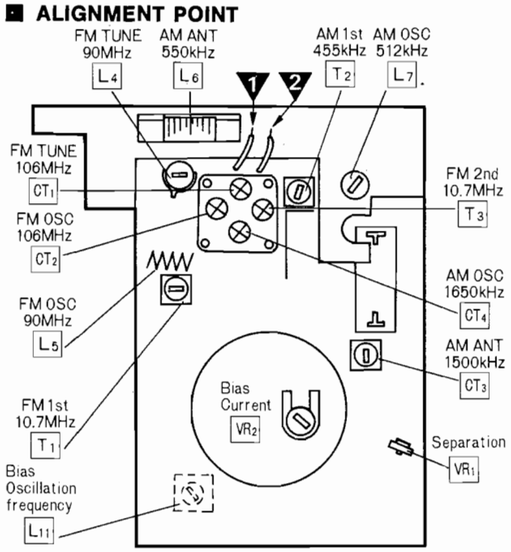


Fig. 16

Note: When servicing radio circuit board, first, connect numbered position from ① to ⑥ on audio circuit board to the same numbered position on radio circuit board as shown in figure 18 by using lead wires.

① Lch, ② Earth, ③ Rch, ④ Tuning LED, ⑤ +B (5.7V)
⑥ Monaural Switch

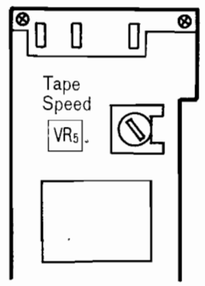


Fig. 17

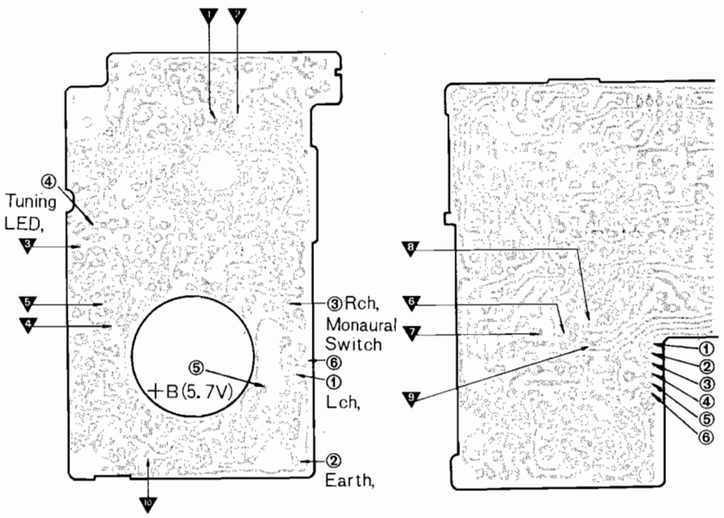


Fig. 18

Fig. 19

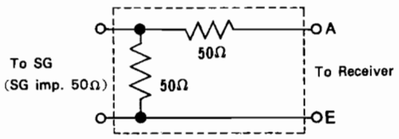
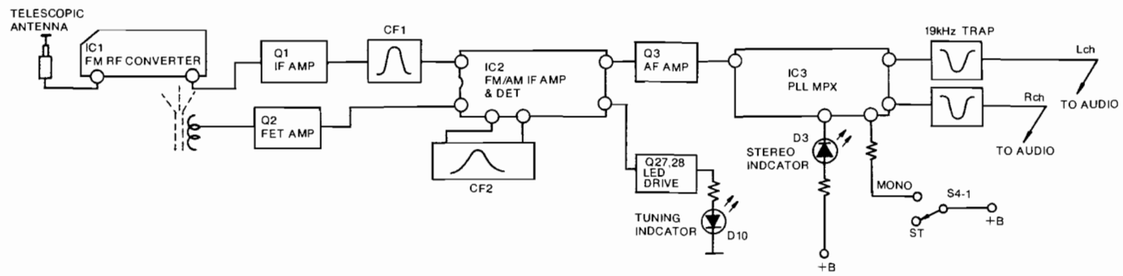


Fig. 20

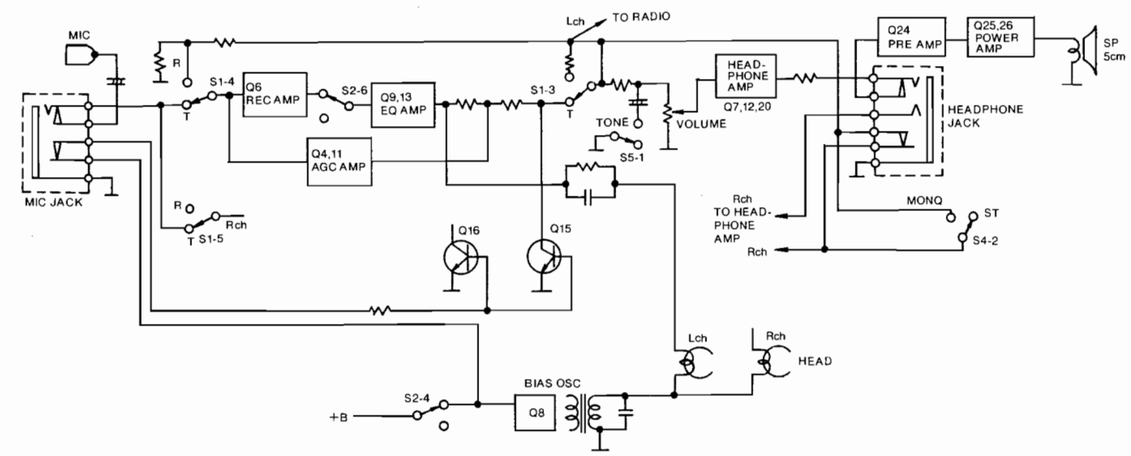
(Audio Circuit Board)

BLOCK DIAGRAM

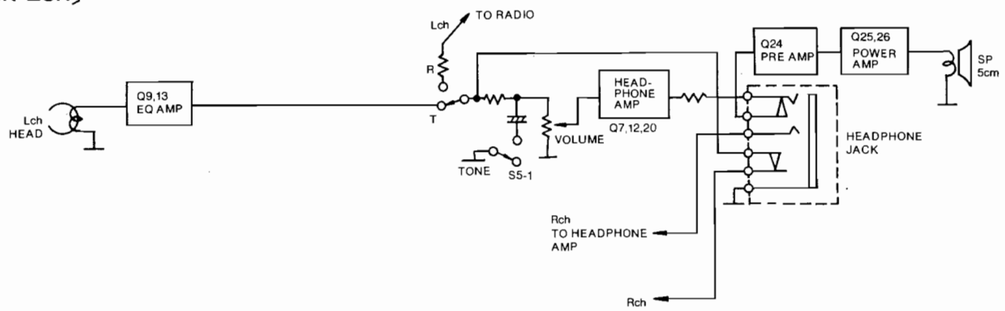
〔Radio〕



〔Record Lch〕



〔Playback Lch〕



〔Power〕

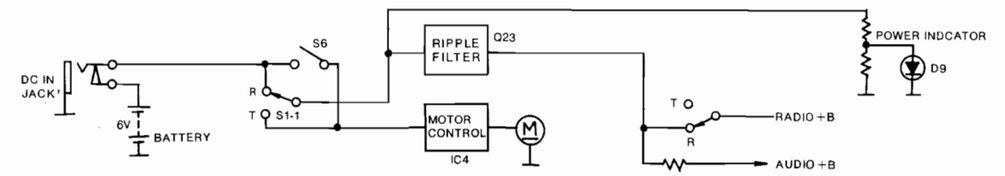


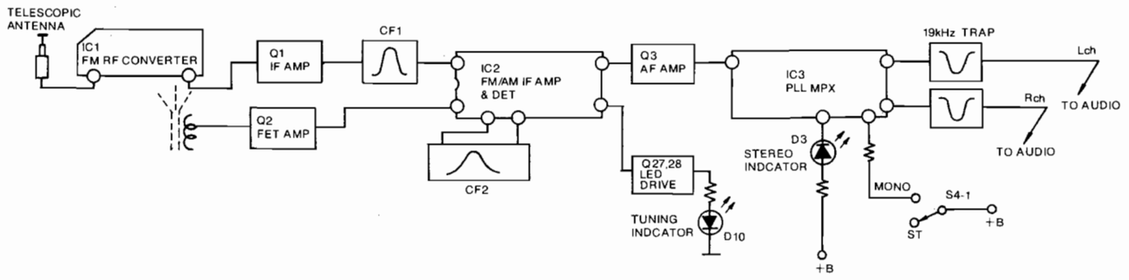
Fig. 21

CABINET PARTS

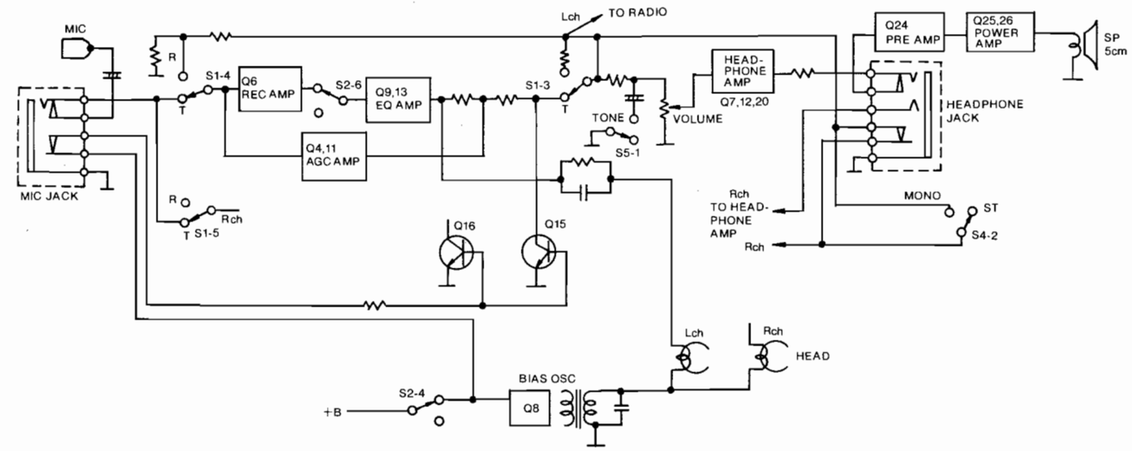
K10

BLOCK DIAGRAM

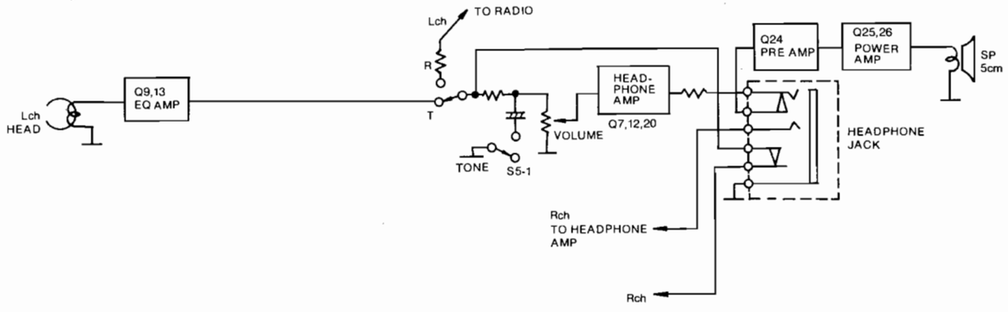
〔Radio〕



〔Record Lch〕



〔Playback Lch〕



〔Power〕

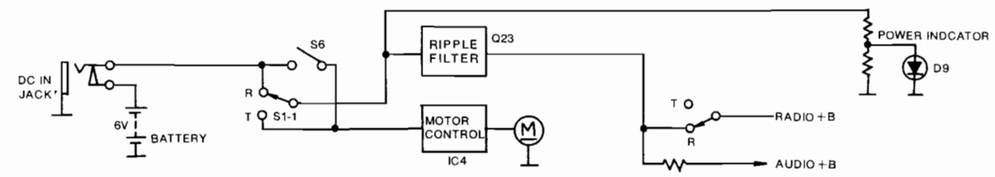


Fig. 21

CABINET PARTS

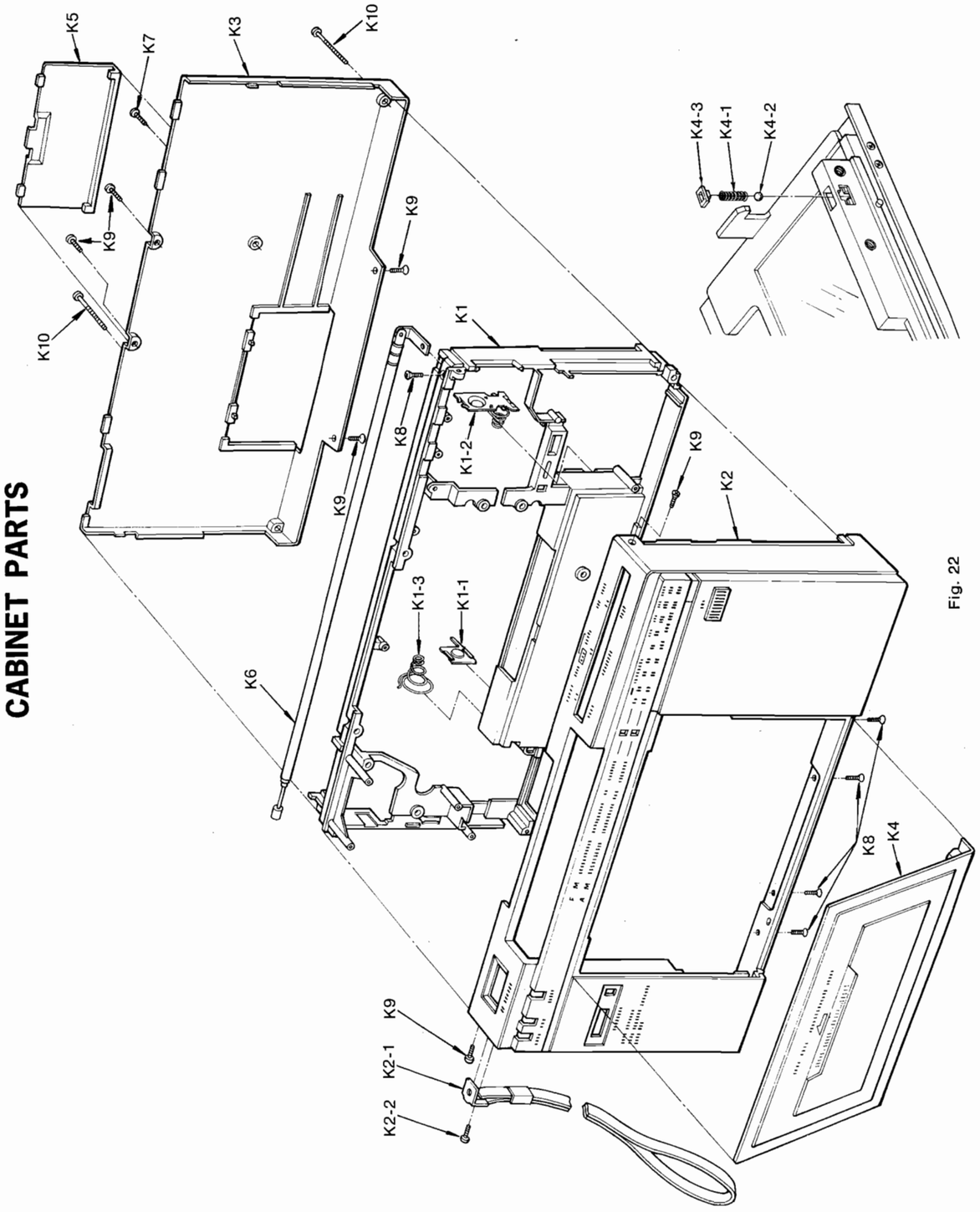


Fig. 22

EXPLODED VIEWS

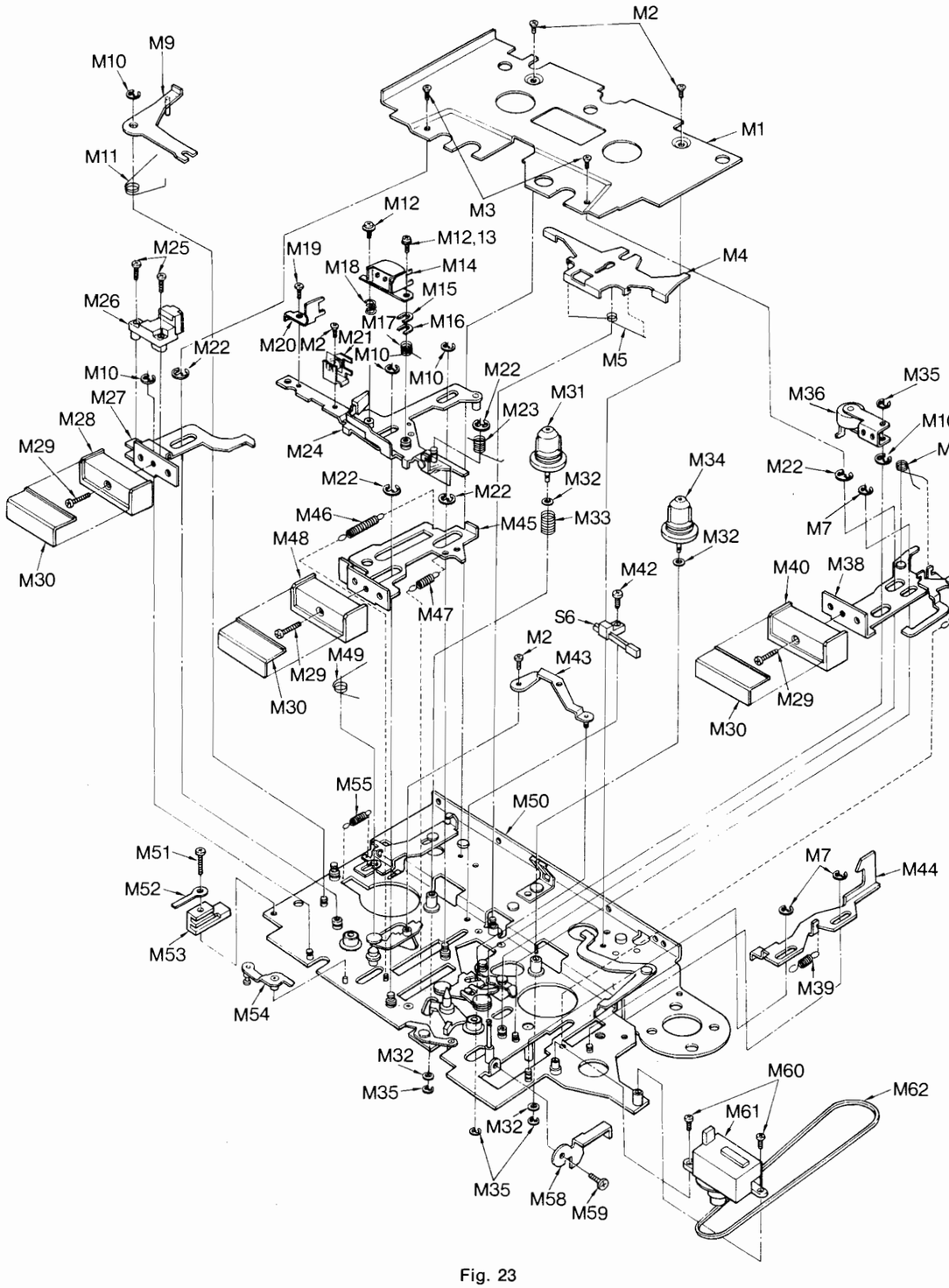


Fig. 23

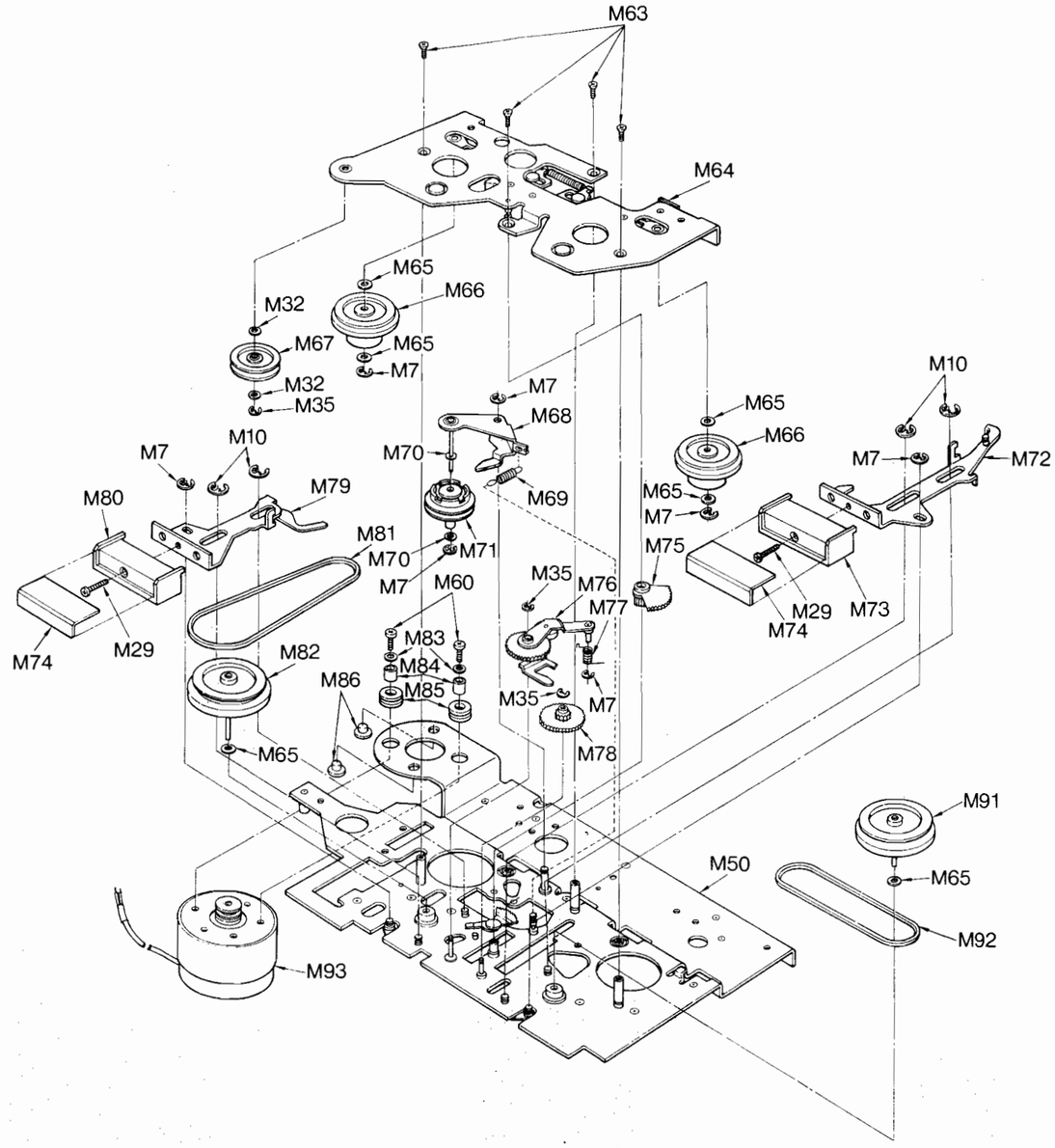


Fig. 24

ELECTRICAL PARTS

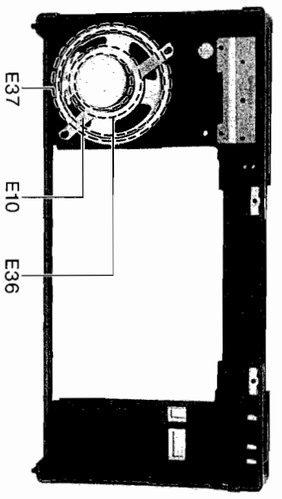


Fig. 25

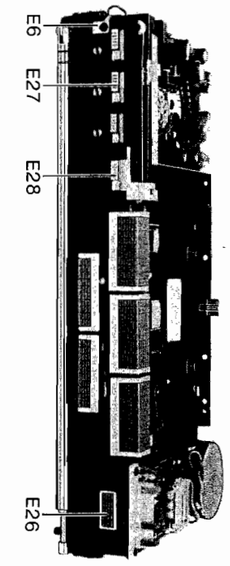


Fig. 27

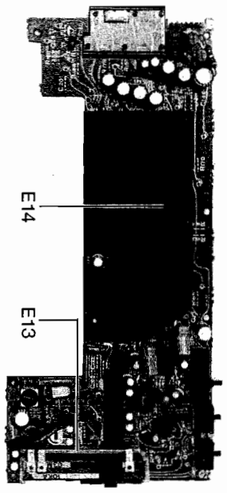


Fig. 29

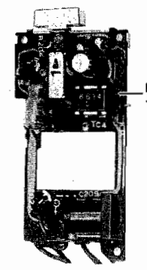


Fig. 30

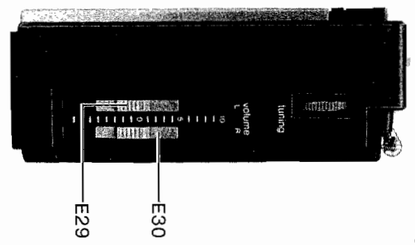


Fig. 32

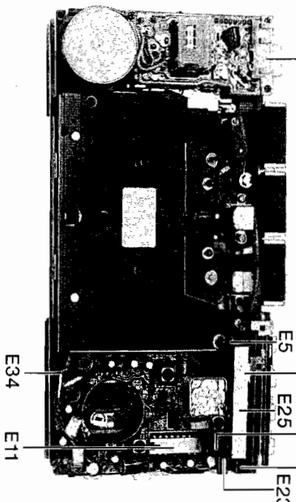


Fig. 26

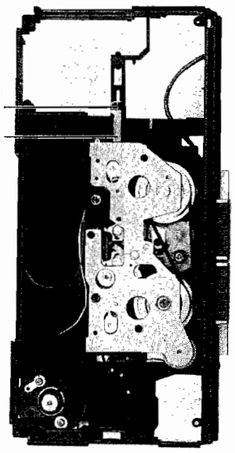


Fig. 28

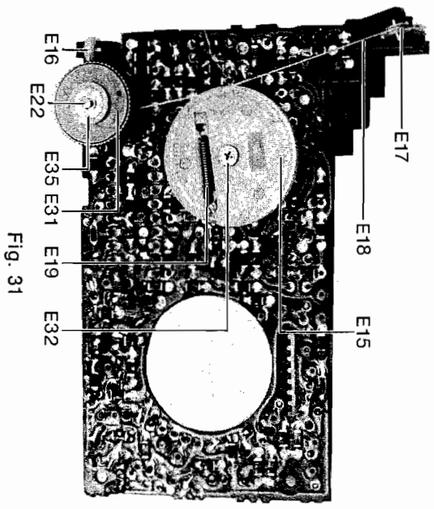


Fig. 31

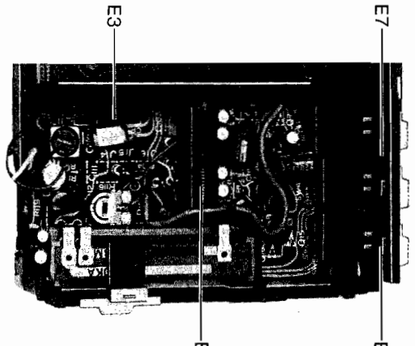


Fig. 33

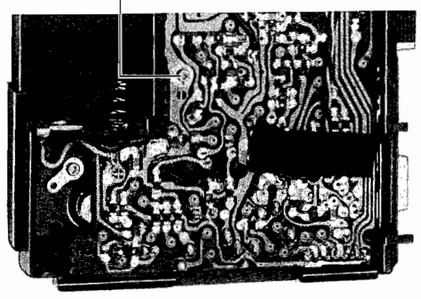


Fig. 34

■REPLACEMENT PARTS LIST····· Model RX-2700 (RD8010-1817C)

NOTES: 1. ⚠ indicates that only parts specified by the manufacturer be used for safety.
2. The S mark indicates service standard parts and may differ from production parts.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		MECHANICAL PARTS		
M1	RFD70Z	Cover, Mechanism	1	
M2	XSNR17+2B	Screw	8	
M4	RFY22Z	Brake Lever	1	
M5	RFS55Z	Spring, Brake Lever	1	
M7	XUC15FT	Circlip	9	S
M9	RFY24Y	Lever, Rec	1	
M10	XUC2FT	Circlip	9	S
M11	RFS63Z	Spring, Rec Lever	1	
M12	XYN2+3	Screw	2	
M13	XWA2B	Washer	1	S
M14	RJH2S1Z	R/P Head	1	
M15	RFX8Z	Spacer, R/P Head	1	
M16	RFX9Z	" "	1	
M17	RFS56Z	Spring, Auto Stop Lever	1	
M18	RFS57Z	Spring, Head Adjust	1	
M19	XSN2+2	Screw	1	
M20	RFD72Z	Tape Guide	1	
M21	RFD71Z	Bracket	1	
M22	XUC25FT	Circlip	5	S
M23	RFS58Z	Spring, Pinch Roller Arm	1	
M24	RFD9008Y	Head Base Ass'y	1	
M25	XSN2+7	Screw	2	
M26	RFH2Z	Erase Head Ass'y	1	
M27	RFY13Z	Rec Lever Ass'y	1	
M28	RFZ8Z	Button, Rec	1	
M29	XSG2+7AFZ	Screw	5	
M30	RFZ4X	Ornament, Button	3	
M31	RFJ4Y	Supply Reel Table	1	
M32	RFN19Z	Washer	6	
M33	RFS64Z	Spring, Reel Table	1	
M34	RFJ3Z	Takeup Reel Table	1	
M35	XUC12FT	Circlip	4	S
M36	RFR2Z	Pinch Roller Arm Ass'y	1	
M37	RFS61Z	Spring, Eject Lever	1	
M38	RFY15Z	Stop Lever Ass'y	1	
M39	RFS62Z	Spring, Stop Lever Ass'y	2	
M40	RFZ1Z	Button, Stop & Eject	1	
M42	XSNR17+3	Screw	1	
M43	RFY16Z	Stop Lever Ass'y	1	
M44	RFY21Z	Lock Lever	1	
M45	RFY14Z	Play Lever Ass'y	1	
M46	RFS59Z	Spring, Play Lever Ass'y	1	
M47	RFS60Z	Spring, Head Base Ass'y	1	
M48	RFZ2Z	Button, Play	1	
M49	RFS67Z	Spring, Rec Lock Lever	1	
M50	RFD9007Y	Base Plate Ass'y	1	
M51	XSN2+8BN	Screw	1	
M52	RFE19Z	Bracket, Lead	1	
M53	RFE20Z	Bracket, Head Base	1	
M54	RFY17Z	Review Lver Ass'y	1	
M55	RFS66Z	Spring, Record	1	
M58	RFY25Z	Eject Lever	1	
M59	XSH2+3	Screw	1	
M60	XSN2+4	"	4	
M61	RSE66Y	Tape Counter	1	
M62	RFB8Z	Belt, Tape Counter	1	
M63	XSS2+3B	Screw	4	
M64	RFD9009Z	Bottom Plate Ass'y	1	
M65	RFN20Z	Washer	6	
M66	RFQ8Z	Clutch Pulley Ass'y	2	
M67	RFQ6Y	Center Pulley Ass'y	1	
M68	RFY18Y	TU Clutch Lever Ass'y	1	
M69	RFS65Z	Spring, TU Clutch Lever Ass'y	1	
M70	RFN21Z	Washer	3	
M71	RFQ7Y	TU Clutch Pulley Ass'y	1	
M72	RFY19Z	Rewind Lever Ass'y	1	
M73	RFZ6Z	Button, Review	1	
M74	RFZ7X	Ornament, Button	2	
M75	RFG3Z	Auto Stop Gear	1	
M76	RFG1Y	Auto Stop Gear Plate Ass'y	1	
M77	RFS102Z	Spring, Selector	1	
M78	RFG2Z	Auto Stop Gear	1	
M79	RFY23Y	FF Lever	1	
M80	RFZ5Z	Button, Cue	1	
M81	RFB6Z	Belt, Flywheel	1	
M82	RFF5Z	Flywheel	1	
M83	RFX12Z	Washer	1	
M84	RFX10Z	Spacer, Motor	2	
M85	RFI5Z	Rubber, Motor	2	
M86	RFI6Z	" "	2	
M91	RFF6Z	Flywheel	1	
M92	RFB7Z	Belt, Play	1	
M93	HCN3E6LC	Motor	1	
M94	RJT201A	Terminal	1	
		INTEGRATED CIRCUITS, TRANSISTORS AND DIODES		
IC1	AN7216	IC	1	
IC2	AN7220A	IC	1	
IC3	RVIBA1335	IC	1	
IC4	AN6614	IC	1	
Q1	2SC1009	Transistor (Si)	1	
Q2	2SK160	" (Si)	1	
Q3,11∿19,21,24,27	2SC1623	" (Si)	13	
Q4∿7,9,10	2SC2405	" (Si)	6	
Q8,25	2SC2001	" (Si)	2	
Q20,22,28	2SA812	" (Ge)	3	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
Q23	2SD352	Transistor (Si)	1	
Q26	2SA952	" (Ge)	1	
Q29	2SC945	" (Si)	1	
D1	RVDKB167	Diode (Si)	1	
D2,11	MA161	" (Si)	2	S
D3	LN230RPP	" (Ga)	1	
D4	RVDKB262D	" (Si)	1	
D5,6	RVDKB265G	" (Si)	2	
D7	RVDKB265E	" (Si)	1	
D8,9	RVDPR5531K	" (Si)	2	
D10	RVDPG5531KY	" (Si)	1	
		COILS AND TRANSFORMERS		
L2	RLO4Y20	Trap Coil	1	
L4	RLO4N125	Tuning Coil, FM	1	
L5	RLO4Y19	Oscillator Coil, FM	1	
L6	RLF2Y13	Antenna Coil, AM	1	
L7	RLO2A3	Oscillator Coil, AM	1	
L9,10	RLM1Z6	Trap Coil	2	
L11	RLO9A1	Bias Oscillator Coil	1	
L12	RLQW47G1	Choke Coil	1	
L16	RLQZA2R2K	"	1	
T1,3	RLI4A4	IFT, FM	2	
T2	RLI2A8	IFT, AM	1	
		VARIABLE RESISTORS		
VR1	EVNA1AA00B14	Preset, 10kΩ (B), Separation	1	
VR2	EVNM4AA00B14	Preset, 10kΩ (B), Recording Bias	1	S
VR3	RVV14A129	Variable Resistor, 10kΩ (A), Volume Control (L)	1	
VR4	RVV14A128	Variable Resistor, 10kΩ (A), Volume Control (R)	1	
VR5	EVNA6AA00B23	Preset, 2kΩ (B), Tape Speed	1	
		VARIABLE CAPACITOR		
VC1,2, 3,4	RCV4LC4VN	Tuning Capacitor, w/Trimmer Capacitor (CT1, 2, 3, 4)	1	
		CERAMIC FILTERS		
CF1	RVFCF10M12FR	Ceramic Filter	1	
CF2	RVFCFM2455B	"	1	
		SPEAKER		
	RAS5P04Z	Speaker, 5cm (2"), 4Ω	1	
		SWITCHES		
S1	RSS2F03Z	Switch, Function	1	
S2	RSS2H01Z	" R/P	1	
S3	RSS2A16Z	" Band	1	
S4,5	RSS2B25Z	" Mode & Tone	2	
S6	RFA10Z	" Motor	1	
S7	RSH2A08Z	" Pause	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		JACKS		
J1	RJJ97Y	Jack, DC IN	1	
J2,3	RJJ2D1Z	" Headphone & Mic	1	
		RESISTORS (Value is in OHMS)		
R1,7,11	RRD18XK470	47 1/8W Chip	3	
R2,12,18,22,33 128,159,167	RRD18XK101	100 " "	8	
R3,165	RRD18XK333	33 k " "	2	
R4,137,138	RRD18XK104	100 k " "	3	
R5,17,166	RRD18XK474	470 k " "	3	
R6	RRD18XJ182	1.8 k " "	1	
R8,21,30,161,205	RRD18XK471	470 " "	5	
R9,24,139,140	RRD18XK102	1 k " "	4	
R10,154,155,160	RRD18XK221	220 " "	4	
R13	RRD18XK473	47 k " "	1	
R14,15,108, 109,169,177	RRD18XK222	2.2 k " "	6	
R16	RRD18XK223	22 k " "	1	
R19,120,121,129,131	RRD18XK334	330 k " "	5	
R20,141	RRD18XK272	2.7 k " "	2	
R23	RRD18XJ153	15 k " "	1	
R25	RRD18XK331	330 " "	1	
R26,27	RRD18XK392	3.9 k " "	2	
R28,148,149	RRD18XK224	220 k " "	3	
R29,101,102,174	RRD18XK472	4.7 k " "	4	
R31,162	RRD18XK330	33 " "	2	
R103,170	RRD18XK152	1.5 k " "	2	
R104,105	RRD18XJ100	10 " "	2	
R106,107	RRD18XK824	820 k " "	2	
R110,113	RRD18XK684	680 k " "	2	
R112,115	RRD18XJ391	390 " "	2	
R111,114	RRD18XJ472	4.7 k " "	2	
R117,130,132	RRD18XK332	3.3 k " "	3	
R118	RRD18XJ181	180 " "	1	
R119	RRD18XK4R7	4.7 " "	1	
R122,124	RRD18XK682	6.8 k " "	2	
R133,135	RRD18XJ222	2.2 k " "	2	
R123,125,134,136	RRD18XJ680	68 " "	4	
R142	RRD18XK681	680 " "	1	
R143,144	RRD18XK562	5.6 k " "	2	
R145	RRD18XK680	68 " "	1	
R150,152	RRD18XK182	1.8 k " "	2	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R146,147,168				
	RRD18XK821	820 1/8W Chip	3	
R151,153	RRD18XK100	10 " "	2	
R156	RRD18XK154	150 k " "	1	
R157,158	RRD18XK5R6	5.6 " "	2	
R163	RRD18XJ331	330 " "	1	
R164	RRD18XJ271	270 " "	1	
R126,127,171				
	RRD18XJ153	15 k " "	3	
R173	RRD18XJ103	10 k " "	1	
R172	ERX12ANJR47	0.47 1/2W Metal Oxide	1	S
R175,176	ERD10TJ124	120 k 1/8W Carbon	2	
R201	ERD25FJ331	330 1/4W "	1	S
R202	ERSB43J911	910 1/2W Metal Oxide	1	
R203	ERD25FJ392	3.9 k 1/4W Carbon	1	S
R204	ERSB27J561	560 1/2W Metal Oxide	1	
R180	ERD10TJ332	3.3 k 1/8W Carbon	1	
		CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS)		
C1	ECUX1H330KC	33 P 50V Chip	1	
C2	ECUX1H560KC	56 P " "	1	
C3,9,15	ECUX1H070DC	7 P " "	3	
C4,12,13,14,46,167				
	ECUX1H103ZF	0.01 " "	6	
C5,11	ECUX1H180KC	18 P " "	2	
C6,17,21,29, 145,160,161				
	ECUX1H103MD	0.01 " "	7	
C7,34	ECEA1HKR22	0.22 " Electrolytic	2	
C8	ECUX1H150KC	15 P " Chip	1	
C10	ECUX1H050DC	5 P " "	1	
C16,25	ECEA1CK100	10 16V Electrolytic	2	
C18,24	ECUX1H223ZF	0.022 50V Chip	2	
C19	ECFDD103MD	0.01 25V Semi-Conductor	1	
C20,101,102				
	ECEA1HK0R1	0.1 50V Electrolytic	3	
C22,38,39,111, 112,203,209				
	ECUX1H223MD	0.022 " Chip	7	
C23,109	ECEA0JSS221	220 6.3V Electrolytic	2	
C26	ECUX1H470KC	47 P 50V Chip	1	
C27	ECSF1AM105	1 10V Electrolytic	1	
C28,43,148,149				
	ECUX1H331K	330 P 50V Chip	4	
C30	ECEA1HK2R2	2.2 " Electrolytic	1	
C31	ECUX1H333ZF	0.033 " Chip	1	
C32	ECQP2A681JZ	680 P 100V Polyester	1	
C33	ECEA1AK470	47 10V Electrolytic	1	
C35,41,42				
	ECEA1HKR47	0.47 50V "	3	
C36,37	ECQP2A472JZ	4700 P 100V Polyester	2	
C40	ECEA1HK3R3	3.3 50V Electrolytic	1	
C44,133,134,137,138				
	ECEA0JK101	100 6.3V "	5	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C45	ECUX1H681K	680 P 50V Chip	1	
C47	ECKD1H681KB	680 P " Ceramic	1	
C48	ECCD1H221K	220 P " "	1	
C49	ECSF1AE106S	10 10V Electrolytic	1	
C50	ECKD1H102MD	0.001 50V Ceramic	1	
C204	ECFVD223MD	0.022 25V Semi-Conductor	1	
C103,208	ECEA1AK330	33 10V Electrolytic	2	
C104,106,114,115, 122,124,131,132				
	ECEA1HK010	1 50V "	8	
C105,107,118,119				
	ECEA1HKR33	0.33 " "	4	
C108,113,147				
	ECEA1ASS221	220 10V "	3	
C110	ECQP2A182JZ	1800 P 100V Polyester	1	
C116,117	ECUX1H152MD	0.015 50V Chip	2	
C120,121	ECUX1H332MD	0.0033 " "	2	
C123,125	ECFDD333KD	0.033 25V Semi-Conductor	2	
C126,127	ECUX1H682MD	0.068 50V Chip	2	
C128,140,206				
	ECEA1AV221	220 10V Electrolytic	3	
C129,130,141				
	ECSF1VM473	0.047 35V "	3	
C142	ECEA1ASS101	100 10V "	1	
C143	ECEA0JK470	47 6.3V "	1	
C146	ECEA0JSS471	470 " "	1	
C150	ECSF1AM475	4.7 10V "	1	
C164,165	ECUX1H222MD	0.0022 50V Chip	2	
C166	ECMS05181JH	180 P " Mica	1	
C202	ECSF0FE476S	47 3.15V Electrolytic	1	
C205	ECSF0JE106S	10 " "	1	
C139,207	ECEA1ASZ221	220 10V "	2	
		CABINET PARTS		
K1	RYMX2700XG1	Cabinet Body Ass'y	1	
K1-1	RJC364Z	Terminal, Battery + Side	1	
K1-2	RJC930Z	Terminal, Battery + - Side	1	
K1-3	RJC738Z	Spring, Battery - Side	1	
K2	RYF1X2700X91	Front Cabinet Ass'y	1	
K2-1	RKH97Y	Hand Strap	1	
K2-2	XSHR2+2FZ	Screw	1	
K3	RYF2X2700XG	Rear Cabinet Ass'y	1	
K4	RYQX2700XG1	Cassette Lid	1	
K4-1	RUS392Z	Spring, Cassette Lid	1	
K4-2	RHM19A	Steel Ball, Cassette Lid	1	
K4-3	RHM111Z	Stopper, Cassette Lid	1	
K5	RYNX2700XG91	Battery Case Ass'y	1	
K6	XEARK160DBY	Telescopic Antenna	1	
K7	XSSR2+8FZ	Screw	1	
K8	XSHR2+5FZ	"	14	
K9	XTNR2+6CFZ	"	13	
K10	XTSR2+22CFZ	"	2	
		ELECTRICAL PARTS		
E1	RZAX2000N	Dial Chassis Ass'y	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
E2	WM063X	Built-in Microphone	1	
E3	RJE93Z	Parallel Jumper	1	
E4	RJE94Z	"	1	
E5	RJT201A	Terminal	1	
E6	RJT715Z	Terminal, Telescopic Antenna	1	
E7	RUA447Z	Chassis, Switch	1	
E8	RUB236Z	Lever, Switch	3	
E9	RUB237Z	Lever, R/P	1	
E10	RMS54Z	Bracket, Speaker	1	
E11	RMC607Z	Shield Cover, IC	1	
E12	RMP150Z	Holder, LED	1	
E13	RMR96Z	Holder, Volume	1	
E14	RMX187Z	Insulating Plate	1	
E15	RDD241Z	Drum, Dial	1	
E16	RDR32Z	Roller, Dial	2	
E17	RDY45Z	Shaft, Roller	2	
E18	RDZ03Y	Dial Cord	1 ROLL	
E19	RDS2052Z	Spring, Dial	1	
E20	RDS3160Z	Spring, R/P Switch	1	
E21	RDS2030Z	Spring, R/P Lever	1	
E22	RDX200Z	Shaft, Tuning Knob	1	
E23	RHG557Z	Rubber, Microphone	1	
E24	RDP819Z	Pointer, Dial	1	
E25	RDH172Z	Reflector Plate	1	
E26	RBC226Z1	Button, Pause	1	
E27	RBD125Z	Knob, Mode & etc.	3	
E28	RBD126Z	Knob, Band	1	
E29	RBD127Z	Knob, Volume (Left)	1	
E30	RBD128Z	Knob, Volume (Right)	1	
E31	RBT131Z	Knob, Tuning	1	
E32	XSHR17+3	Screw	1	
E33	XQG2+C4FN	"	1	
E34	XTNR2+4CFZ	"	8	
E35	XUC12FT	"	1	
E36	RHG570Z	Cushion	1	
E37	RHG569Z	"	1	
	XQG2+C4FZ	Screw	1	
		ACCESSORIES		
	RQD156Y	Case	1	
	RQC2003Z	Belt	1	
	RQB26Z	Pad, Belt	1	
	RD-9227M	Headphones	1	
	RJN24Z	Tape	1	
		PACKING MATERIALS		
	XZB26X20A04	Polyethylene Cover	1	
	RPK1054Z	Gift Box	1	
	RPE382Z	Sheet	1	
	RPE383Z	Pad, Accessory	1	
	RPE384Z	Pad, Headphones	1	
	RPE397Z	Display Sheet	1	
	RPN3219Z	Pad	1	
	RPS92Z	Sleeve	1	
	RPH344Z	Soft Sheet	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		PRINTED MATERIAL		
	RQX6649Z	Instruction Book	1	

RD Ⓡ XG
Printed in Japan

RX-2700 DEUTSCH

■ TECHNISCHE DATEN

Stromversorgung:	Batterien; 6 V (vier Trockenbatterien UM-3, Größe AA)
Ausgangsleistung:	Eingebaut SP: 550 mW (bei max.) Headphone: 30 mW×2
Frequenzbereich:	Eingebaut SP: 150~8500 Hz Headphone: 40~13000 Hz
Aufnahmesystem:	Wechselstrom-Vormagnetisierung
Bandgeschwindigkeit:	4,8 cm/s
Geschwindigkeits-schwankungen:	0,4% bewertet (WRMS)
Spieldauer:	1 Stunde mit Cassette C-60
Spurlage:	Aufnahme und wiedergabe auf 4 spuren/2 Kanälen
Eingangsspannungen:	MIC; Empfindlichkeit 0,25 mV, Mikrofon impedanz 200~600Ω DC IN; 6 V
Ausgangsimpedanzen:	Headphone; 32Ω

Lautsprecher:	Eingebaut SP: 2'' (Ø5 cm) dynamischer PM-Lautsprecher (4Ω) Headphone: 1'' (Ø2,2 cm)×2 (32Ω)
Wellenbereiche:	UKW; 87,5~108 MHz MW; 520~1610 kHz (577~186 m)
Zeischenfrequenz:	FM; 10,7 MHz AM; 455 kHz
Empfindlichkeit:	UKW; 2μV bei 50 mW Ausgangsleistung AM; 150μV/m bei 50 mW Ausgangsleistung
Abmessungen (B×H×T):	190×96×36 mm (7-1/2''×3-13/16''×1-7/16'')
Gewicht (ohne Batlerien):	Gerät (N) 620 g (1 lb. 6 oz.) Headphone: 54 g (2 oz.)

Änderungen vorbehalten.

■ BANDGESCHWINDIGKET

BITTE DIESEN ABSCHNITT VOR DEM ABGLEICH SORGFÄLTIG DURCHLESEN.	
1. Den Lautstärkeregler in die Maximalposition stellen. 2. Den Klangregler auf ,,hoch'' stellen. 3. Den ,,Tape/Radio''-Wahlschalter auf ,,Tape'' stellen. 4. Eine Gleichspannung von 6 V anlegen.	
ZÄHLER	EINSTELLUNG
An der Ohrhörerbuchse anschließen	1. Testband abspielen (QZZCWAT, 3 kHz). 2. Den spannungsabgleich VR5 einstellen, bis 3030 Hz ±15 Hz auf dem Zähler abgelesen werden.

■ VORGANGSWEISE BEIM ABGLEICH

BITTE DIESEN ABSCHNITT VOR DEM ABGLEICH SORGFÄLTIG DURCHLESEN	
1. Den Lautstärkeregler in die Maximalposition stellen. 2. Den Klangregler auf hoch stellen. 3. Den ,,Tape/Radio''-Wahlschalter auf ,,radio'' stellen. 4. Den Wellenbereichsschalter auf ''AM'' oder ''FM'' stellen.	5. Eine Stromquelle von 6 V Gleichstrom anlegen. 6. Der Signalgeneratorausgang sollte nicht größer sein, als für eine Ausgangsanzeige unbedingt notwendig ist.

■ AM-ABGLEICH

	WEL-LEN-BAND	SIGNALGENERATOR oder WOBBELGENERATOR: ANSCHLÜSSE	SIGNALGENERATOR oder WOBBELGENERATOR: FREQUENZ	STELLUNG DES ABSTIMM-REGLERS	MESSGERÄT (RÖHREN-VOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
	AM-ZF-ABGLEICH						
(1)	AM	Aus einem Draht einige Schleifen-windungen bilden und das Signal in die Empfängerschleife	455 kHz 30% mod. (Modula-tionsfrequenz 400 Hz)	Der Abstimm-punkt, wo keine Interferenz auftritt.	Ausgangsleis-tungsmesser parallel zur Lautsprecher-Schwingspule.	T2 (1. AM-ZF-Abgleich)	Die maximale Ausgangs-leistung einstellen.
	AM-HF-ABGLEICH						
(2)	AM	〃	512 kHz	Drehkondensator ganz geschlossen	〃	L7 (Oszillator-spule)	〃
(3)	AM	〃	550 kHz	Das Signal empfangen.	〃	(*1) L6 (Antennen-spule)	Die maximale Ausgangsleistung einstellen. L6 Durch Verschlieben abgleichen.
(4)	AM	〃	1500 kHz	Das Signal empfangen.	〃	CT3 (Antennen-trimmer)	Die maximale Ausgangsleistung einstellen.
(5)	AM	〃	1650 kHz	Drehkondensator ganz geöffnet.	〃	CT4 (Oszillator-spule)	Die maximale Ausgangsleistung einstellen. Die Schritte (2) bis (5) wiederholen.

(*1) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen.

■ FM-ABGLEICH

	WEL-LEN-BAND	SIGNALGENERATOR oder WOBBELGENERATOR: ANSCHLÜSSE	SIGNALGENERATOR oder WOBBELGENERATOR: FREQUENZ	STELLUNG DES ABSTIMM-REGLERS	MESSGERÄT (RÖHREN-VOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
	FM-ZF-ABGLEICH						
(1)	FM	Über einen an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließeb.	10,7 MHz	Der Abstimmpunkt, wo keine Interferenz auftritt.	Die Vertika-lamplitude des Oszilloskops an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließen.	T1 (FM-ZF-Abgleich) T3 (FM-ZF-Abgleich) (Primärspule)	Die Maximalamplitude einstellen. (Siehe Abb. 19.)

■ AM-ABGLEICH

	WELLENBAND	SIGNALGENERATOR oder WOBBELGENERATOR: ANSCHLÜSSE	SIGNALGENERATOR oder WOBBELGENERATOR: FREQUENZ	STELLUNG DES ABSTIMMREGLERS	MESSGERÄT (RÖHRENVOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
	AM-ZF-ABGLEICH						
(1)	AM	Aus einem Draht einige Schleifenwindungen bilden und das Signal in die Empfängerschleife	455 kHz 30% mod. (Modulationsfrequenz 400 Hz)	Der Abstimmpunkt, wo keine Interferenz auftritt.	Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule.	T2 (1. AM-ZF-Abgleich)	Die maximale Ausgangsleistung einstellen.
	AM-HF-ABGLEICH						
(2)	AM	〃	512 kHz	Drehkondensator ganz geschlossen	〃	L7 (Oszillatorspule)	〃
(3)	AM	〃	550 kHz	Das Signal empfangen.	〃	(*1) L6 (Antennenspule)	Die maximale Ausgangsleistung einstellen. L6 Durch Verschlieben abgleichen.
(4)	AM	〃	1500 kHz	Das Signal empfangen.	〃	CT3 (Antennentrimmer)	Die maximale Ausgangsleistung einstellen.
(5)	AM	〃	1650 kHz	Drehkondensator ganz geöffnet.	〃	CT4 (Oszillatorspule)	Die maximale Ausgangsleistung einstellen. Die Schritte (2) bis (5) wiederholen.
	(*1) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen.						

■ FM-ABGLEICH

	WELLENBAND	SIGNALGENERATOR oder WOBBELGENERATOR: ANSCHLÜSSE	SIGNALGENERATOR oder WOBBELGENERATOR: FREQUENZ	STELLUNG DES ABSTIMMREGLERS	MESSGERÄT (RÖHRENVOLTMETER oder OSZILLOSKOP)	ABGLEICH	BEMERKUNGEN
	FM-ZF-ABGLEICH						
(1)	FM	Über einen an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließeb.	10,7 MHz	Der Abstimmpunkt, wo keine Interferenz auftritt.	Die Vertikalamplitude des Oszilloskops an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließen.	T1 (FM-ZF-Abgleich) T3 (FM-ZF-Abgleich) (Primärspule)	Die Maximalamplitude einstellen. (Siehe Abb. 19.)
	FM-HF-ABGLEICH						
(2)	FM	Über eine künstliche UKW-Antenne an den Meßpunkt ▼ anschließen. Den negativen Ausgang an den Meßpunkt ▼ anschließen. (Siehe Abb. 20.)	90 MHz	90 MHz [4,7 mm]	〃	L5 (FM-Oszillatorspule) L4 (FM-Abstimmspule)	(*2) Die maximale Ausgangsleistung einstellen.
(3)	FM	〃	106 MHz	106 MHz [31,6 mm]	〃	CT2 (FM-Oszillatortrimmer) CT1 (FM-Abstimmtrimmer)	(*2) Die maximale Ausgangsleistung einstellen. Die Schritte (2) und (3) wiederholen.
	(*2) Es gibt drei verschiedene Ausgangsfrequenzkurven. Stimmen Sie die Mettelfrequenz ab.						

■ NF-ABGLEICH

EINSTELLUNG	EINGANG	MESSPUNKT	MESSWERT	EINSTELLPUNKT	BEMERKUNGEN
Azimut	QZZCFM (8 kHz, −20 dB)	EXT SP	Die maximale Ausgangsleistung einstellen.	Azimut-Einstellschraube	bei Wiedergabe
Oszillations frequenz für Vormagnetisierung	——	▼ ▼	52+0,6 kHz −0	L11	Funktionsschalter→ radio Betriebsart→stereo→mono
Vormagnetisierungsstrom	für METAL Band	▼ (linker Kanal) ▼ (rechter Kanal) ▼ (linker Masse) ▼ (rechter Masse)	3,2~3,6 mV (linker, & rechter)	VR2	——

Bemerkungen:

1. S1-1~S1-6: „Tape/Radio" Wahlschalter auf „Radio" (1 . . . Cassette, 3 . . . Radio).
2. S2-1~S2~8: Aufnahme-/Wiedergabeschalter auf „Wiedergabe".
3. S3: Wellenbereichsschalter auf „UKW" (1=UKW, 3=MW).
4. S4-1, S4-2: Betriebsartenschalter in Stellung „Stereo" (1=stereo, 3=mono)
5. S5-1, S5-2: Klangregler auf „hoch".
6. S6: EIN/AUS-Schalter des Motors (auf „AUS").
7. S7: Pausetaste auf „AUS".
8. VR1: Einstellung der spannungsgesteuerten Oszillatorfrequenz.
9. VR2: RW zur Einstellung des Vormagnetisierungsstroms.
10. VR3, 4: Lautstärkeregler.
11. VR5: Geschwindigkeitsregler.
12. Die Markierung (▼) bezeichnet einen Meßpunkt, z.B:▼=Meßpunkt 1.
13. Alle Gleichspannungen sind mit einem Elektronikvoltmeter vom negativen Batterieanschluß als zu messen.
    □ . . . Stellung „FM", ( ) . . . Stellung „AM"
    < > . . . Stellung „Aufnahme", Q15, 16 . . . Lichtschalter auf „EIN".
    Q29 . . . Betriebsartenschalter in Stellung „Stereo".
14. Batteiestrom: ohne Signal ..... 60 mA
    bei maximaler Ausgangsleistung (Radio) ..... 250 mA
    bei maximaler Ausgangsleistung (Cassette) ..... 300 mA

RX-2700 FRANCAIS

■ SPECIFICATIONS

Généralités:	Piles; 6 V (four piles séches UM-3, dimension AA)	Sortie:	Headphone; 32Ω
Puissance de sortie:	Incorporé SP: 550 mW (c.a. max.) Headphone: 30 mW×2	Haut-parleur:	Incorporé SP: 2'' (5 cm)haut-parleur dynamique à aimant permanent (4Ω) Headphone; 1'' (2,2 cm)×2 (32Ω)
Gamme de fréquence:	Incorporé SP: 150 à 8500 Hz Headphone; 40 à 13000 Hz	Fréquence radio:	FM; 87,5 à 108 MHz AM; 520 à 1610 kHz (577 à 186 m)
Systéme d'enregistrement:	Polarisation c.a, effacement magnétique	Fréquence intermédiaire:	FM; 10,7 MHz AM; 455 kHz
Vitesse de bande:	4,8 cm/sec.	Sensibilité:	FM; 2μV pour une sortie de 50 mW AM; 150μV/m pour une sortie de 50 mW
Pleurage et scintillement:	0,4% (WRMS)		
Durée de lecture:	1 heure avec cassette C-60	Dimensions (i×h×Pr) mm:	190×96×36 (7-1/2''×3-13/16''×1-7/16'')
Pistes:	Enregistrement et lecture stéréo 4 pistes, 2 canaux	Poids kg:	Poste 0,62 sans piles Headphone: 0,054 sans piles
Entrée:	MIC; sensibilité 0,25 mV; impédance applicable pour microphone 200 à 600Ω DC IN; 6 V		

Les spécifications sont sujettes à des changements sans préavis.

■ VITESSE DE BANDE

AVANT DE PROCEDER AUX ALIGNEMENTS, LIRE ATTENTIVEMENT CE QUI SUIT	
1. Placer le potentiomètre de volume au maximum. 2. Placer la commande de tonalité sur aigu. 3. Placer sélecteur bande/radio sur ''bande''. 4. Régler la tension sur 6 V c.c.	
COMPTEUR	REGLAGE
Brancher sur le jack de l'écouteur à oreille	1. Procéder à la lecture de la cassette de contrôle (QZZCWAT, 3 kHz). 2. Régler VR5 jusqu'à ce que le compteur indique 3030 Hz ±15 Hz.

■ INSTRUCTIONS D'ALIGNEMENT

AVANT DE PROCEDER AUX ALIGNEMENTS, LIRE ATTENTIVEMENT CE QUI SUIT	
1. Régler le potentiomètre de volume au maximum. 2. La commande de tonalité sur aigu. 3. Placer sélecteur bande/radio sur ''radio''. 4. Le sélecteur d e ban d e sur AM ou FM.	5. Régler la tension sur 6 V C.C. 6. Régler la sortie du générateur étalonné de fagon à ne pas surcharger les circuits.

■ ALIGNEMENT AM

	BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE)	REGLAGE	OBSERVATIONS
		BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT AM sur IF						
(1)	AM	Faire une boucle de plusieurs tours de fil et émettre le signal dans la boucle du récepteur.	455 kHz (modulation de 30% à 400 Hz)	Point de non-interférence	Voltmètre branché à la bobine oscillatrice	T2 (AM 1er IFT)	Régler pour une sortie maximum.
	ALIGNEMENT HF sur AM						
(2)	AM	〃	512 kHz	Condensateur variable totalement fermé	〃	L7 (bobine d'oscillateur)	〃
(3)	AM	〃	550 kHz	Syntoniser sur le signal	〃	(*1) L6 (bobine d'antenne)	Régler pour une sortie maximum en glissant la bobine L6 le long du noyau en ferrite.
(4)	AM	〃	1500 kHz	〃	〃	CT3 (trimmer d'antenne)	Régler pour une sortie maximum.
(5)	AM	〃	1650 kHz	Condensateur de syntonisation ouvert à fond	〃	CT4 (trimmer d'oscillateur)	Régler pour une sortie maximum. Refaire les étappes (2) à (5).

(*1) Sceller la bobine à la cire après avoir achevé l'alignement.

■ ALIGNEMENT FM

	BANDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETER ou OSCILLOSCOPE)	REGLAGE	OBSERVATIONS
		BRANCHEMENTS	FREQUENCE				
		ALIGNEMENT FM sur IF					
(1)	FM	Brancher au point ▼ Côté négatif au point ▼.	10,7 MHz	Point de non-interférence	Brancher la sonde vert. de l'oscilloscope au point ▼. Côté négatif au point ▼.	T1 (FM IFT) T3 (FM IFT) (Primaire)	Régler pour une amplitude maximum. (Voir fig. 19.)

ALIGNEMENT AM

NDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETRE ou OSCILLOSCOPE)	REGLAGE	OBSERVATIONS
	BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT AM sur IF					
AM	Faire une boucle de plusieurs tours de fil et émettre le signal dans la boucle du récepteur.	455 kHz (modulation de 30% à 400 Hz)	Point de non-interférence	Voltmètre branché à la bobine oscillatrice	T2 (AM 1er IFT)	Régler pour une sortie maximum.
	ALIGNEMENT HF sur AM					
AM	〃	512 kHz	Condensateur variable totalement fermé	〃	L7 (bobine d'oscillateur)	〃
AM	〃	550 kHz	Syntoniser sur le signal	〃	(*1) L6 (bobine d'antenne)	Régler pour une sortie maximum en glissant la bobine L6 le long du noyau en ferrite.
AM	〃	1500 kHz	〃	〃	CT3 (trimmer d'antenne)	Régler pour une sortie maximum.
AM	〃	1650 kHz	Condensateur de syntonisation ouvert à fond	〃	CT4 (trimmer d'oscillateur)	Régler pour une sortie maximum. Refaire les étappes (2) à (5).

*1) Sceller la bobine à la cire après avoir achevé l'alignement.

ALIGNEMENT FM

NDE	GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE		POSITION DE L'AIGUILLE SUR LE CADRAN	INDICATEUR (VOLTMETER ou OSCILLOSCOPE)	REGLAGE	OBSERVATIONS
	BRANCHEMENTS	FREQUENCE				
	ALIGNEMENT FM sur IF					
1	Brancher au point ▼ Côté négatif au point ▼.	10,7 MHz	Point de non-interférence	Brancher la sonde vert. de l'oscilloscope au point ▼. Côté négatif au point ▼.	T1 (FM IFT) T3 (FM IFT) (Primaire)	Régler pour une amplitude maximum. (Voir fig. 19.)

	ALIGNEMENT HF sur FM						
(2)	FM	Brancher au point ▼ via une antenne fictive FM. Côté négatif au point ▼. (Voir fig. 20.)	90 MHz	90 MHz [4,7 mm (3/16")]	〃	L5 (bobine d'oscillateur FM) L4 (bobine TUNER FM)	(*2) Régler pour une sortie maximum.
(3)	FM	〃	106 MHz	106 MHz [31,6 mm (1-1/4")]	〃	CT2 (trimmer d'oscillateur FM) CT1 (trimmer TUNE FM)	(*2) Régler pour une sortie maximum. Refaire les étapes (2) et (3).
	(*2) Il y aura trois réponses de sortie; la syntonisation adéquate est la fréquence du milieu.						

■ ALIGNEMENTS AUDIO

ELEMENT	ENTREE	POINT DE MESURE	SPECIFICATION	POINT DE REGLAGE	OBSERVATIONS
Azimut	QZZCFM (8 kHz, −20 dB)	EXT SP	Régler pour une sortie maximum.	Vis d'azimut	Mode de lecture
Fréquence d'oscillation de polarisation	——	▼ ▼	52+0.6 kHz −0	L11	fonctions→radio mode→stéréo→mono
Courant de polarisation	Utiliser une bande METAL.	▼ (canal gauche) ▼ (canal droit) ▼ (terre gauche) ▼ (terre droit)	3,2 à 3,6 mV (gauche & droit)	VR2	——

Remarques:

1. S1-1~S1-6: Sélecteur bande/radio (montré en Position de Radio) (1 . . . Bande, 3 . . . Radio)
2. S2-1~S2-8: Commutateur enregistrement/lecture en position "Lecture".
3. S3: Sélecteur de gamme d'onde (montré en position "FM") (1 . . . FM, 3 . . . AM)
4. S4-1, S4-2: Sélecteur de mode en position "STEREO"(1=stéréo, 3=mono)
5. S5-1, S5-2: Commande aigu/grave du tonalité en position "Aigu".
6. S6: Commutateur marche/arrêt du moteur en position "Arrêt".
7. S7: Commande marche/arrêt du pause en position "Arrêt".
8. VR1: Réglage de fréquence de l'oscillateur VCO.
9. VR2: Commande de réglage du courant de polarisation.
10. VR3 ,4: Potentiomètre de volume.
11. VR5: Commande de vitesse de bande.
12. La marque (▼) signale un point de vérification. Ex.: ▼ =point de vérification 1.
13. La tension c.c. est mesurée au moyen d'un voltmètre électronique à partir de la borne négative de la pile.
    □. . . Position FM, ( ) . . . Position AM,
    < >. . . Position Enregistrement, Q15, 16 . . . Commutateur marche/arrêt du l'éclairage en position "Marche".
    Q29 . . . Sélecteur de mode en position "STEREO".
14. Courant des piles: Pas de signal . . . . . 60 mA
    Sortie maximum (Radio) . . . . . 250 mA
    Sortie maximum (Bande) . . . . . 300 mA